

**APPARATUS AND METHODS FOR CONTROLLED SUBSTANCE DELIVERY
FROM IMPLANTED PROSTHESES**

ABSTRACT OF THE DISCLOSURE

5 The present invention provides improved devices and methods for inhibiting
restenosis and hyperplasia after intravascular intervention. In particular, the present
invention provides luminal prostheses which allow for programmed and controlled substance
delivery with increased efficacy to selected locations within a patient's vasculature to inhibit
restenosis. The luminal delivery prosthesis comprises a scaffold which is implantable within
10 a body lumen and means on the scaffold for releasing a substance from the scaffold. The
substance is released over a predetermined time pattern comprising an initial phase wherein
the substance delivery rate is below a threshold level and a subsequent phase wherein the
substance delivery rate is above a threshold level.

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